MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

NOVEMBER 1953

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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NOV 25 1955

NOVEMBER 1953

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.2	61.7	62.7	62.2	23.6	18.3	21.1	23.2	20.0	21.4
2	63.4	61.9	61.8	62.4	23.3	18.9	20.5	22.7	20.4	21.2
3	60.1	56.9	59.2	58.7	29.8	19.2	20.9	27.8	22.2	23.6
4	62.3	61.8	62.5	62.2	23.4	18.6	21.3	22.9	20.8	21.7
5	62.9	62.5	63.2	62.9	23.3	19.2	20.8	22.8	21.7	21.8
6	62.5	60.6	60.1	61.1	24.5	20.7	20.5	23.6	21.6	21.9
7	60.5	61.1	62.3	61.3	25.0	19.0	23.3	23.3	20.4	22.3
8	63.3	62.4	62.6	62.8	23.8	18.7	21.3	23.0	21.1	21.8
9	62.2	61.3	61.5	61.7	23.3	18.8	20.7	22.8	20.5	21.3
10	61.8	61.8	62.5	62.0	24.0	17.9	21.9	23.7	20.4	22.0
11	63.3	62.9	62.6	62.9	23.2	17.8	21.1	22.4	19.4	21.0
12	62.3	61.4	62.5	62.1	22.7	17.5	20.0	22.0	20.0	20.7
13	63.9	53.4	63.8	60.4	22.0	16.9	19.2	21.6	18.5	19.8
14	64.2	63.3	63.7	63.7	21.6	17.1	18.2	21.1	19.9	19.7
15	63.8	62.5	62.4	62.9	21.8	17.5	18.9	21.6	19.9	20.1
16	62.2	60.6	60.6	61.1	20.0	15.8	19.8	19.4	17.6	18.9
17	57.7	55.3	53.6	55.5	21.3	11.4	19.2	20.4	18.9	19.5
18	52.1	51.4	53.0	52.2	13.9	8.8	11.6	11.1	11.7	11.5
19	54.3	56.5	58.3	56.4	12.2	8.3	11.1	11.8	11.1	11.3
20	62.6	63.6	65.8	64.0	13.5	9.4	11.8	11.7	11.3	11.6
21	68.4	68.5	69.4	68.8	15.6	12.2	13.0	15.6	13.4	14.0
22	69.4	68.3	67.7	68.5	17.6	14.7	13.9	17.3	15.0	15.4
23	67.0	64.5	63.0	64.8	18.6	12.7	17.2	17.9	16.0	17.0
24	60.8	59.3	60.0	60.0	17.3	12.4	12.7	16.7	13.4	14.3
25	60.5	61.2	63.3	61.7	16.3	10.0	15.7	14.4	13.7	14.6
26	65.7	65.5	67.4	66.2	14.5	11.4	11.7	12.7	11.9	12.1
27	68.4	68.6	69.2	68.7	12.4	8.2	12.3	11.3	9.4	11.0
28	70.7	70.7	70.6	70.7	10.3	6.4	8.8	8.9	7.2	8.3
29	71.1	70.9	71.8	71.3	12.7	8.7	10.1	12.6	9.9	10.9
30	72.1	70.4	70.7	71.1	13.6	10.0	10.6	12.9	10.5	11.3
31										
	63.39	62.36	63.26	63.01	19.50	14.55	16.97	18.64	16.59	17.40

Barometer, range for month 772.1 mm. — 752.1 mm.
„ 71-yr. average for month 762.63 mm.
Thermometer, range for month 29.8°C — 6.4°C
„ 71-yr. average for month 19.85°C
Rain total for month 223.52 mm.
„ 71-yrs average for month 132.61 mm.
„ Total, Sept. 1st. to end of month 233.17 mm.
„ 71-yrs. average. Sept. 1st. to end of month 188.82mm.

NOVEMBER 1953
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.3	17.1	15.8	15.7	57	60	66	61	9.8	35.0	
2	15.9	18.7	17.6	17.4	65	66	74	68	10.0	89.0	
3	18.3	12.9	16.8	16.0	73	36	63	57	2.4	295.0	
4	17.7	17.5	17.0	17.4	71	64	72	69	9.6	148.0	
5	16.4	18.7	20.2	18.4	70	67	77	71	9.3	229.0	
6	17.6	18.9	21.4	19.3	74	67	82	74	9.8	122.0	
7	22.0	18.3	17.6	19.3	78	64	73	72	7.3	145.0	
8	16.5	18.7	19.5	18.2	66	67	78	70	4.1	79.0	
9	17.0	18.7	17.6	17.8	70	68	72	70	9.5	212.0	
10	18.4	19.7	18.1	18.7	71	65	74	70	9.0	288.0	
11	15.4	17.4	16.2	16.3	62	64	71	66	7.6	134.0	0.25
12	15.8	18.0	18.6	17.5	67	67	79	71	8.7	288.0	0.25
13	16.7	16.7	16.5	16.6	76	65	79	73	9.1	21.0	
14	15.5	13.8	16.3	15.2	73	55	71	66	9.4	174.0	
15	13.9	15.5	16.3	15.2	63	60	70	64	9.4	209.0	
16	15.8	15.1	15.4	15.4	68	67	76	70	6.1	315.0	16.51
17	15.0	15.9	12.9	14.6	70	66	59	65	4.7	903.0	7.62
18	11.9	11.4	10.5	11.3	87	86	76	83	0.0	813.0	87.63
19	9.6	10.5	10.1	10.1	73	76	75	75	2.1	465.0	24.13
20	10.1	10.5	9.6	1.01	73	77	73	74	3.4	349.0	16.00
21	9.2	10.1	10.1	9.8	63	59	65	62	3.6	269.0	2.03
22	9.6	10.2	10.6	10.1	61	54	62	59	8.8	314.0	
23	13.7	12.8	11.6	12.7	71	62	62	65	2.5	433.0	0.51
24	14.3	14.7	13.8	14.3	99	78	91	89	2.3	494.0	51.31
25	14.5	11.0	9.6	11.7	83	69	59	70	3.7	475.0	15.50
26	9.2	9.6	7.5	8.8	66	64	55	62	7.3	845.0	1.78
27	7.9	7.9	6.0	7.2	56	59	51	55	5 5	1106.0	
28	5.2	4.8	4.3	4.8	45	42	42	43	5.4	604.0	
29	6.3	8.3	7.5	7.4	50	55	63	56	2.6	179.0	
30	6.3	6.6	7.1	6.7	48	47	56	50	9.5	240.0	
31											
	13.67	14.00	13.74	13.80	68.3	63.2	68.9	66.7	6.42	342. 40	7. 45

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu-ci	0	0	1.0	1se	2n	1ne	light	
2	2cu-ci	0	0	0.7	1se	2n	3n	,,	
3	10st	10cu-ni	0	6.7	1e	4sw	1se	,,	Tr., G., p.m.
4	3cu	0	0	1.0	1se	2n	2ne	,,	
5	3ci-st	0	0	1.0	3ne	3n	3n	,,	
6	0	0	0	0.0	1ne	2n	1n	light	
7	9cu-ni	5cu	0	4.7	2sw	3sw	1sw	,,	Tr,. a. m.
8	9ci-st	10ci-st	0	6.3	1se	1n	1ne	,,	
9	1ci	0	0	0.3	1ne	1n	1n	,,	
10	0	9cu	1cu	3.3	3sw	3w	1s	,,	
11	10cu-ni	5cu-ci	0	5.0	2sw	3sw	1se	light	
12	6cu-st	0	1st	2.3	1se	2ne	3ne	,,	
13	1cu-st	7cu-st	0	2.7	1se	1n	1ne	calm	
14	1cu-st	2cu-st	0	1.0	1e	2n	4ne	light	
15	0	1cu-st	0	0.3	1e	3n	3n	,,	
16	10cu-ni	0	2cu	4.0	1sw	1w	1sw	light	
17	4cu	10cu-ni	10cu-ni	8.0	3sw	3sw	4sw	slight	W., P M.
18	10ni	10ni	10cu-ni	10.0	3sw	3sw	2sw	rough	
19	10cu-ni	8cu-ni	10ni	9.3	2s	2s	2s	slight	T., a.m.
20	10cu-st	10ni	10cu-ni	10.0	1s	1w	1s	,,	
21	8cu-st	9cu-st	10cu-st	9.0	2s	2nw	1s	light	
22	2cu	9cu-st	10cu-st	7.0	1se	1sw	1s	,,	
23	8cu-ni	10cu-ni	10cu-ni	9.3	2s	2sw	1sw	,,	Tr., p.m.
24	10ni	9cu-ni	10ni	9.7	2s	4w	3sw	slight	
25	9ni	10cu-ni	9cu-ni	9 3	3sw	3nw	3nw	,,	
26	6cu-ni	6cu	9cu-st	7.0	3n	5n	5n	slight	
27	6cu-st	10cu-st	0	5.3	4n	4ne	5ne	mod.	
28	10cu-st	3cu	3st	5.3	3ne	4ne	1ne	,,	
29	9cu-st	9cu-ni	0	6.0	1e	2nw	1ne	slight	
30	0	0	0	0.0	2se	1sw	1sw	light	
31									
	mean			4.85					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	4	4	8	5	7	0	0	0	30
14:30	11	3	0	0	1	8	4	3	0	30
20:30	6	9	0	2	5	7	0	1	0	30
Total	19	16	4	10	11	22	4	4	0	90

Number of days with rain 12, fog 0, thunderstorms 1, gale 1.
71 yr. av. number of days with rain during month 9.4